

WHAT IS CLAIMED IS:

1. A glycosylated ligand/receptor specificity exchanger comprising:
at least one specificity domain comprising a ligand for a bacterial adhesion receptor; and
at least one antigenic domain joined to said specificity domain.
2. The ligand/receptor specificity exchanger of Claim 1, wherein said ligand is a fragment of fibrinogen.
3. The ligand/receptor specificity exchanger of Claim 1, wherein said bacterial adhesion receptor is a *Staphylococcal* adhesion receptor.
4. The ligand/receptor specificity exchanger of Claim 3, wherein said *Staphylococcal* adhesion receptor is selected from the group consisting of ClfA, ClfB, Efb, and Fbe.
5. The ligand/receptor specificity exchanger of Claim 4, wherein said wherein said *Staphylococcal* adhesion receptor is ClfA or ClfB.
6. The ligand/receptor specificity exchanger of Claim 4, wherein said wherein said *Staphylococcal* adhesion receptor is ClfA.
7. The ligand/receptor specificity exchanger of Claim 1, wherein said ligand is between 3 and 20 amino acids in length.
8. A ligand/receptor specificity exchanger comprising a plurality of saccharides and at least one specificity domain joined to at least one antigenic domain, wherein said specificity domain comprises a ligand for a bacterial adhesion receptor.
9. The ligand/receptor specificity exchanger of Claim 8, wherein said ligand is a fragment of fibrinogen.
10. The ligand/receptor specificity exchanger of Claim 8, wherein said bacterial adhesion receptor is a *Staphylococcal* adhesion receptor.
11. The ligand/receptor specificity exchanger of Claim 10, wherein said *Staphylococcal* adhesion receptor is selected from the group consisting of ClfA, ClfB, Efb, and Fbe.
12. The ligand/receptor specificity exchanger of Claim 11, wherein said wherein said *Staphylococcal* adhesion receptor is ClfA or ClfB.

13. The ligand/receptor specificity exchanger of Claim 11, wherein said wherein said *Staphylococcal* adhesion receptor is ClfA.

14. The ligand/receptor specificity exchanger of Claim 8, wherein said ligand is between 3 and 20 amino acids in length.

15. A ligand/receptor specificity exchanger comprising at least one specificity domain joined to at least one antigenic domain, wherein said specificity domain comprises a ligand for a bacterial adhesion receptor and said ligand/receptor specificity exchanger is joined to a saccharide support.

16. The ligand/receptor specificity exchanger of Claim 15, wherein said ligand is a fragment of fibrinogen.

17. The ligand/receptor specificity exchanger of Claim 15, wherein said bacterial adhesion receptor is a *Staphylococcal* adhesion receptor.

18. The ligand/receptor specificity exchanger of Claim 17, wherein said *Staphylococcal* adhesion receptor is selected from the group consisting of ClfA, ClfB, Efb, and Fbe.

19. The ligand/receptor specificity exchanger of Claim 18, wherein said wherein said *Staphylococcal* adhesion receptor is ClfA or ClfB.

20. The ligand/receptor specificity exchanger of Claim 18, wherein said wherein said *Staphylococcal* adhesion receptor is ClfA.

21. The ligand/receptor specificity exchanger of Claim 15, wherein said ligand is between 3 and 20 amino acids in length.